

-4.

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100% 25

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40000

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-12201-

H213 + 3

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graadatatt sabaqaaat tagdatsata jaaaaaaaan Mhaaaaaaaa aaaaaaaaada
neathrogge ogestogges waaratogyg togagoatge atotagggsy godwattoog
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resatisted a decengent to
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-21:3 Humi Sapiens
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ignaitiiti gaaatgobaa laattatbaat gootgbaabt ggatbotboo ttodagulatt
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inn mit hit pil natyttidat lyydrauwa na laaatadaggo laaggiioolat lagatighada.
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Ser Ser Ala Ile Gly Leu Pro Val Met Phe Met Ala Thr Thr Lys Tyr
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                                                                105
                                                                                                       110
Ard Gln Gly Ser Ile Asp Cys Thr Lea Thr Phe Ser His Bro Thr Trp
                                                        120
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 Lou Lys Ser Val Arg Met Leu Ser Gly Ser Lys Glu Lys Asp Arg Asn
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18 J. Arg Arg Tie Ing Arg Met Val Leu Val Val Val Ala Val Fhe Tie
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                                  185
Tal Cys Trp Thr Pro Ile His Ile Tyr Val Ile Ile Lys Ala Leu Val
                                                   205
                              200
   The Pro Glu Thr Thr Phe Gln Thr Val Ser Trp His Phe Cys Ile
                         215
Ala Leu Gly Tyr Thr Ash Ser Cys Leu Ash Pro Val Leu Tyr Ala Phe
                     230
                                           235
        Gld Ash Phe Lys Arg Cys Phe Arg Gld Phe Cys Ile Pro-
    Ser Ash Tie Glu Gln Gln Ash Ser Thr Arg Ile Arg Gln Ash Thr
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             260
Arg Asp His Pro Ser Thr Ala Asn Thr Val Asp Arg Thr Asn His Gln
                                                   285
                              230
Asn Tyr Tyr Ile Ile His Arg Leu Cys Cys Asn Thr Pro Leu Ile Ser
                         295
Gln Lys Pro Val Leu Leu Trp Phe Cys Asp
    . 14 - 1
.. 13 - Fomo dapiens
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0100 9
0110 414
 212 - PRT
+12131 Homo Sapiens
-1400:- 9
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Leu Ala Tyr Ser Ser Cys Ser Pro Ala Pro Ser Pro Gly Ser Trp Val
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Cys Val Val Gly Leu Phe Gly Asn Phe Leu Val Met Tyr Val Ile Val
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Als Leu Ala Asp Ala Leu Ala Thr Ser Thr Leu Pro Phe Gln Ser Val
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Ash typ 1992 Wet Buy The Trp Ero The Gly Thr 11e Lea-
Ual lie Ger Ile Asp Tyr Tyr Ash Met Phe Thr Ser lie Phe Thr Leu
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Ass. Inp. The Let Ser Ser Ala The Gly Let Pro Val Met Phe Met Ala
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Lys Asp Arg Ash Leu Arg Arg Ile Thr Arg Met Val Leu Val Val Val
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A. A Mai Bhe The Mal Cys Trp Thr Pro the His The Tyr Mal The The
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His Phe Cys Ile Ala Leu Gly Tyr Thr Ash Ser Cys Leu Ash Pro Val
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Leu Tyr Ala Phe Leu Asp Glu Asn Phe Lys Arg Cys Phe Arg Glu Phe
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en maanyt thatyghtab aabaaastab aggbaaggtt bbatagattg tababtaaba
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atbattaaay bottggthan aatbobagaa astangttoo agabtgttto itggbastto
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Ser His Leu Asp	Gly Asn Leu	Ser Asp Pro	Cys Gly P.		
Asp Leu Gly Gly 50	Arg Asp Ser	Leu Cys Pro	Pro Thr G	ly Ser Pro Ser	
Met Ile Thr Ala	79		7.6	8.0	
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100		1.5		sr. Leu Ala Leu 110	
Ala Asp Ala Leu 115		120		2.5	
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Lys Tyr Arg Gln 210	215		221		
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275		230	5	al Val Ala Val 85 la Ila Iwa Ala	
290	295		300	le Ile Lys Ala	
Leu Val Thr Ile	310		315	320	
Cys lie Ala Leu 	-Gly Tyr Thr -325 -314 Asn Phe	33.	Leu Ash F	335	
garantis Leu Banas. Sél Santanakan		345	•	iu Phe Cys lle 350 rg Ile Arg Gln	
in itt det det 195	man lett sala	300		65	

8

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Asn Thr Arg Asp His Pro Ser Thr Ala Asn Thr Val Asp Arg Thr Asn
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His Gln Asn Tyr Tyr Ile Ile His Arg Leu Cys Cys Asn Thr Pro Leu
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assanceget gasgatotgt gttttcatot togocttost tatgocsgtg ctostcatts
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taasarami agaaringaa aagostinggi goostiggst assi ggaasa geggogoog.
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Hill H. Primer
- 1 14
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Hall: Homo Sapiens
40033 Primer
 1.1 - 15
                                                                              28
an mintan intriganga attogagt
 .... : 1.
.... : FRT
HIB - Homo Sapiens
-12.10 -
<223 / Peptide fragment
+400> 16
thus his Ash les Gla Ala Gla Thr Ala Bru Les Pro
```

```
15
<210> 17
<211: 13
<C12> DNA
<..130 Homo Sapiens
< .00. 17
                                                                        13
aratut aag atg
4.1...18
<. 11: 453
122 ENA
HL13: Homo Sapiens
-14001 18
eraquasato tggaagoaga aactgotoog ttgooctaac agggtotoat gocattooga.
                                                                       €0
                                                                       100
rittrastaa gottagaago caccatgtat gtggaagcag gttgcttcaa gaatgtgtag
                                                                       160
my tetaa itototagga aagtgootgo ttttaggtoa tocaacotot ttootototg
  240
                                                                       31.0
..a. itys: isassjagga gtbbagttty tgbaagabab bbagtggaub baadabbat
ntpotatgt gaattgaagt catcataaaa ggtgaccett etgtetgtaa gattttattt
                                                                       34.0
                                                                       410

    - as: Pasat attiutgace teaacaaaga agaaccatet titgütaagt teacegtagt

                                                                       45.3
micacataaa gtaaatgota oototgatoa aag
HIL100-19
·: 11: 30
HILLE DNA
4.13 Hamo Sapiens
 Par Erimer
4.451 + 19
                                                                        30
intantggga aaacctgctg aagatctgtg
\pm 0.010 \pm 20
0.011 - 27
4212 + DNA
<213 - Homo Sapiens
All the Spinson
<100 + 20
                                                                        27
catchatgae cacagtggge aaggeae
<210 + 21
<211 - 910
<212> DNA
<213> Homo Capiens
. 221.
Public mist to resture
- 12. - 1 ... 31.
- 2232 n = A,T,C or 3
```

```
44. J. 12.
rasma maam laam janggas, gogot matag tudogoogga motoowati bad atitaugida.
                                                                                60
                                                                               125
n nahin alalah mindi melah tiana latih merapadan intiang telopia galebigt betidi intiggerapet eti
is annually in laboration and calcal and profit to anothing to obtain a tigoal statistic grants.
                                                                               1:0
                                                                               240
a laa mininga aasyat yotit salayayayttinto ytat socaa hiictottowaad lattigaydaad.
                                                                               306
awaystosan togaattogt dagaadadta gagaddaddo dtodaogyso aatabagtyy
                                                                               3.60
aragaastaa toatoaggta ogoagtotot agaattaggt atatotactg gggatgasat
                                                                               4.0
ammaattata aqqctttqtq ctaaactagg agtttaatcc attatagagg atgagaatgg
                                                                               489
aggaagggaa agcaaattgt ggtttaaggg ttaaagaaga ggtttgtata taaactgggg
thotttaaat tigootgias atattoatta aggittaagg atooccaatg ggnaaaacca
                                                                               540
                                                                               \{[i], [j]\}
tomaactitt caaaatacci titttatggo otttactitt atgcaaaatt tatgactita
                                                                               \hat{F}_1(\vec{r},\vec{t},\vec{t})
gis, pattata gaaataatto tgatotagaa toottitoat titooopaga attattatat
                                                                               f_{i}^{\alpha} = f_{i}^{\alpha}
an toataga tyttotypaa tapedotott atttotpaaa agopaytott yototyytti
                                                                               T + i
or opational gagagagggt gagtgeetig decactging teatggains augulation
                                                                               \xi \to \zeta
:...aaaatta goatcataga aaaaaaannn aaaaaaaaaa aaaaaaaanc atgtoggoog
                                                                               [\{0,1]

    Hoggedaa acategggte gageatgeat etagggegge daatteegge betetedede

                                                                               310
der.gennttt
·110 · 22
·::11 · 225
+1.12 + DNA
·213 - Homo Sapiens
H. Mil mish feature
+1.03 \Delta = A, T, C or G
+ 100 | 22
dgaadggaaa gcaaattgtg gtttaagggt taaagaagag gtttgtatat aaastggggt
                                                                               •
                                                                               11.0
contralatt tgootgtaca tattoattaa ggtttaagga tooccaatgg ghasaaccat
                                                                               1 - 1
qqaa stitto aaaataccii tittatggco titactitta tgcaaaatti atgactitag
cacattatag aaataattot gatotagaat cottttoatt ttooc
-.15 - 23
-.ii - 1675
·.. Le · Dim
+1.13 + Homo Sapiens
HU20 F
HU21 · misc_feature
HUR2 - (1)...(1670)
<223 \cdot n = A, T, C \text{ or } G
<400 - 23
                                                                                60
atarachaan aigaagantg boaccaasat otacatttto aadstigots iggsagaigo
                                                                               1. 0
minaginari agtarcetge eettecagag tgtgaattae etaatgggaa catggesatt.
                                                                               1-0
rigga mar minitypaaga tagigaisto batagattab talaabatgi toabbagbat.
                                                                               240
ant mains in trodicatiga grightigatog atabatigoa ghotigobabb bigibbaaggo
optadateti oytautuuoo gaaatyowaa aattatuaat gtotyeaast ggatootuto
                                                                               340
neragodari yythindrig taatyitoat agotabaasa aaatadaygo aagyilddat
                                                                               \vec{c}_{t}
agattgtana chaacattot otdatocaad otggtactgg gaaaacctgd tgaagatotg
                                                                               \mathcal{L}_{\mathbf{i}}=\{\}
tyttttbate tregeettea tratgeeagt geteateatt accytytyst atygastyat
                                                                               540
gatottgogo otcaagagtg toogoatgot stotggotoo aaagaaaagg acaggaatot
                                                                               650
togaaggato accaygatgg tgotggtggt ggtggotgtg ttoatogfof gctgyastos.
                                                                               6500
mannosmann tadutoatoa thaaagoott ggitadaato obagaaanna ogitodagad
                                                                               720
tytttirttyg papthotgoa tigototagg tiacasaaas agoigopica acceagicoi.
```

```
730
right reality on prangula actification patternaga, gagttotyta (todosiacoto),
                                                                        340
tropparatt gaginadaaa abtobastog aattogtog aacactagag accaccocto-
                                                                        900
sangginaat acageggata gaastaatsa tuaggtango agtotutaga attaggtata.
                                                                        (1
totactgggg atgacataaa aattataagg otttgtgtta aactaggagt ttaatccatt
                                                                        10:0
atagagdatg agaatggagg gaagggaaag caaattgtgg titaagggtt aaagaagagg -
                                                                        1()0
tttgtatata ääctggggto otttaaattt gootgtabat attoattaag gtttääggät.
ccccaaiggg naaaaccatg gaactittca aaataccttt titatggcot ttacittiat
                                                                       1140
graaaa tta tgactttage acattataga aataattetg atetagaate etttteattt.
                                                                       1200
                                                                        12.60
tuppolagaat tattatataa ttoatagatg ttotgoaata cooctottat ttotoaaaag.
spagnostigo totggtitot ggattaaaga gagagggtga gtgccttgcc cactgtggto
                                                                       -1300
unggan (Jas gatattoada gaaaattago atcatagaaa aaaaannnaa aaaaaaaaaa
                                                                        13-0
Assassancer greggerges toggersasse atogggregs gestgestet agggogges.
attocycos: totopicoo: ngchntttee acacegagga gtocagtttg tgcaagacae
                                                                        1500
ccagogiaac caaaacccat ogtggtatgt gaatogaagt catcataaaa ggtgaccott
                                                                      1610
ctgtctqtaa gattttaatt taagcatata tttatgacct caacaaagac gaaccatctt
                                                                        1670
ttgttamtto accgtagtaa cacataaagt tatgctacct ctgatcaaag
<2100-014
-1111 E
-210: DNA
R19 Homo Sapiens
220
Küzb. Primer
<400F 114
                                                                          1.5
gaatecittt dattttddcc agaat
<210+ 75
<211 - . 3
<212.- DNA
<213 - Homo Sapiens
 321
<223 - Frimer
<400.4 15
                                                                          23
aaccagagca agactggctt ttg
<210 - 16
<211. 19
<212 - DNA
  11 - Homo Sapiens
 ----
s223 - Primer
<400 - 26
                                                                          39
ataait:ata gatgttgctg caatacccct cttatttct
<210 + 27
<211 · 20
:212 - DNA
+ Al3 + Artifficial Sequence
. 220 .
<223/ Artificial
```

r400x 27 Badt oftana ongtoagtoa	20
<pre>+.1 + %* +.11 + 1 +.11 * 2 +.12 * Artificial Sequence</pre>	
<220> <223> Artificial	
<400> 28 addigatgaa otgobagtga	20